

SEQUENCE LISTING



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TECH CENTER 1600/2900

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<120> VACCINE FOR THE PREVENTION AND TREATMENT OF ALZHEIMER'S
AND AMYLOID RELATED DISEASES

<130> 14445-501

<140> 09/724,842

<141> 2000-11-28

<150> 60/168,594

<151> 1999-11-29

<160> 63

<170> PatentIn Ver. 2.1

<210> 1

<211> 42

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

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Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala
35 40

<210> 2

<211> 40

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or peptidomimetics

<400> 2

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val
35 40

<210> 3

<211> 35

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 3

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met
35

<210> 4

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<213> Artificial Sequence

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or peptidomimetics

<400> 4

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys

<210> 5
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or peptidomimetics

<400> 5
Asp Ala Glu Phe Arg His Asp
1 5

<210> 6
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or peptidomimetics

<400> 6
Tyr Glu Val His His Gln Lys
1 5

<210> 7
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or peptidomimetics

<400> 7
Lys Leu Val Phe Phe Ala
1 5

<210> 8
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Val Gly Gly Val Val Ile Ala

1

5

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<211> 6

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Lys Ile Val Phe Phe Ala

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Lys Lys Leu Val Phe Phe Ala

1

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<210> 11

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D!
Cent

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Lys Phe Val Phe Phe Ala
1 5

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Ala Phe Phe Val Leu Lys
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Lys Leu Val Phe
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Lys Ala Val Phe Phe Ala
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<210> 15

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Lys Leu Val Phe Phe
1 5

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Lys Val Val Phe Phe Ala
1 5

<210> 17
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<223> AMIDATION

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Lys Ile Val Phe Phe Ala
1 5

<210> 18
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or peptidomimetics

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<223> AMIDATION

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Lys Leu Val Phe Phe Ala

1

5

<210> 19

<211> 6

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<213> Artificial Sequence

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or peptidomimetics

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<223> AMIDATION

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Lys Phe Val Phe Phe Ala

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<210> 20

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<221> MOD_RES

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Ala Phe Phe Val Leu Lys

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5

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Lys Leu Val Phe

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<222> (6)

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Lys Ala Val Phe Phe Ala

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5

<210> 23

<211> 5

<212> PRT

D1
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or peptidomimetics

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<222> (5)

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Lys Leu Val Phe Phe

1 5

<210> 24

<211> 6

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<222> (6)

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Lys Val Val Phe Phe Ala

1 5

<210> 25

<211> 7

<212> PRT

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or peptidomimetics

<400> 25

Lys Leu Val Phe Phe Ala Glu

1 5

*D1
Cono*

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Lys Leu Val Phe Phe Ala Glu
1 5

<210> 27
<211> 10
<212> PRT
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<220>
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or peptidomimetics

<400> 27
His His Gln Lys Leu Val Phe Phe Ala Glu
1 5 10

<210> 28
<211> 3
<212> PRT
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<400> 28
Asp Asp Asp
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<210> 29
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Lys Val Asp Asp Gln Asp
1 5

<210> 30
<211> 4
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His His Gln Lys
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<210> 31
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<223> CH₂CH₂SO₃H attached at the n-terminus

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Phe Phe
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<210> 32

<211> 2
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<221> MOD_RES
<222> (2)
<223> CH₂CH₂CH₂SO₃H attached at the n-terminus

<400> 32
Phe Phe
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<210> 33
<211> 2
<212> PRT
<213> Artificial Sequence

<220>
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or peptidomimetics

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<400> 33
Phe Phe
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<210> 34
<211> 2
<212> PRT
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<220>
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D!
Cont

<222> (2)
<223> CH₂CH₂SO₃H attached at the n-terminus

<400> 34
Phe Tyr
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<210> 35
<211> 2
<212> PRT
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<222> (2)
<223> CH₂CH₂CH₂SO₃H attached at the n-terminus

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Phe Tyr
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<211> 2
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<223> CH₂CH₂CH₂CH₂SO₃H attached at the n-terminus

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Phe Tyr
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<210> 37
<211> 2

<212> PRT
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<222> (1)
<223> HO3SCH2CH2 attached at the c-terminus

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Phe Phe
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<211> 2
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<220>
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<223> HO3SCH2CH2CH2 attached at the c-terminus

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Phe Phe
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<211> 2
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<222> (1)

D'
Cont

<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 39

Phe Phe

1

<210> 40

<211> 2

<212> PRT

<213> Artificial Sequence

<220>

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or peptidomimetics

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<222> (1)

<223> HO3SCH2CH2 attached at the c-terminus

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Phe Tyr

1

<210> 41

<211> 2

<212> PRT

<213> Artificial Sequence

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<221> MOD_RES

<222> (1)

<223> HO3SCH2CH2CH2 attached at the c-terminus

<400> 41

Phe Tyr

1

<210> 42

<211> 2

<212> PRT

D
Cent

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<220>

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<222> (1)

<223> HO3SCH2CH2CH2 attached at the c-terminus

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Phe Tyr

1

<210> 43

<211> 5

<212> PRT

<213> Artificial Sequence

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or peptidomimetics

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<222> (1)

<223> HO3SCH2CH2 attached at the c-terminus

<400> 43

Leu Val Phe Phe Ala

1

5

<210> 44

<211> 5

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: All D peptides
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<221> MOD_RES

<222> (1)

<223> HO3SCH2CH2CH2 attached at the c-terminus

D!
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Leu Val Phe Phe Ala
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<210> 45
<211> 5
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or peptidomimetics

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<222> (1)
<223> HO3SCH2CH2CH2CH2 attached at the c-terminus

<400> 45
Leu Val Phe Phe Ala
1 5

<210> 46
<211> 5
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or peptidomimetics

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<222> (5)
<223> CH2CH2SO3H attached at the n-terminus

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Leu Val Phe Phe Ala
1 5

<210> 47
<211> 5
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D1
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<222> (5)
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Leu Val Phe Phe Ala
1 5

<210> 48
<211> 5
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or peptidomimetics

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<223> CH₂CH₂CH₂CH₂SO₃H attached at the n-terminus

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Leu Val Phe Phe Ala
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<210> 49
<211> 6
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<400> 49
Lys Leu Val Trp Phe Ala
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D'
cont

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<211> 6
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<210> 51
<211> 6
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<400> 51
Lys Leu Val Trp Trp Ala
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<210> 52
<211> 6
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or peptidomimetics

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Lys Leu Val Tyr Phe Ala
1 5

<210> 53
<211> 6
<212> PRT
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<220>

D¹
Cont.

<223> Description of Artificial Sequence: All D peptides
or peptidomimetics

<400> 53
Lys Leu Val Phe Tyr Ala
1 5

<210> 54
<211> 6
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or peptidomimetics

<400> 54
Lys Leu Val Tyr Tyr Ala
1 5

<210> 55
<211> 6
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*D
Cont*
<220>
<221> MOD_RES
<222> (4)
<223> Xaa is thienylalanine

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Lys Leu Val Xaa Phe Ala
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<210> 56
<211> 6
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or peptidomimetics

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<221> MOD_RES

<222> (5)

<223> Xaa is thienylalanine

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Lys Leu Val Phe Xaa Ala

1

5

<210> 57

<211> 6

<212> PRT

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or peptidomimetics

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<221> MOD_RES

<222> (4)..(5)

<223> Xaa is thienylalanine

<400> 57

Lys Leu Val Xaa Xaa Ala

1

5

<210> 58

<211> 6

<212> PRT

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or peptidomimetics

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<222> (4)

<223> Xaa is cyclohexylalanine

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Lys Leu Val Xaa Phe Ala

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5

<210> 59
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or peptidomimetics

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Lys Leu Val Phe Xaa Ala
1 5

<210> 60
<211> 6
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or peptidomimetics

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<223> Xaa is cyclohexylalanine

<400> 60
Lys Leu Val Xaa Xaa Ala
1 5

<210> 61
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<220>
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or peptidomimetics

D
Cont

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<400> 61
Lys Leu Val Xaa Phe Ala
1 5

<210> 62
<211> 6
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<220>
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Lys Leu Val Phe Xaa Ala
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<210> 63
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or peptidomimetics

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<400> 63
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1 5